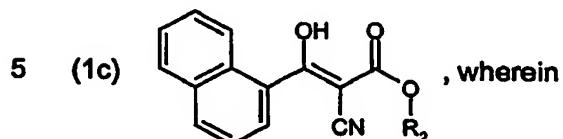
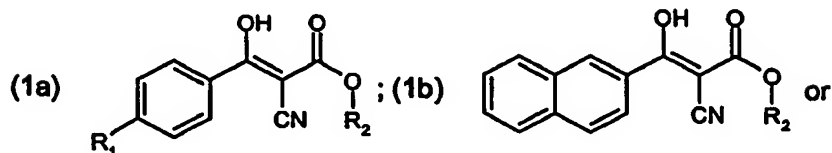


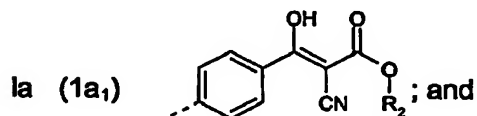
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What is claimed is:

1. 3-aryl-2-cyano-3-hydroxy-acrylic acid derivatives of formula



R_1 is hydrogen, C_1 - C_{20} alkyl; C_1 - C_{20} alkoxy; CF_3 ; C_6 - C_{10} aryl; or a radical of formu-



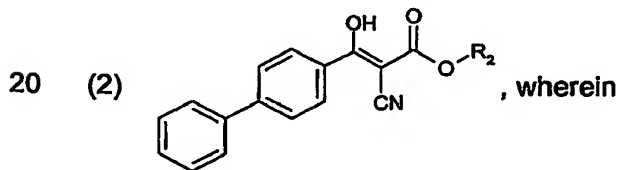
R_2 is hydrogen; or C_1 - C_{20} alkyl.

10 2. Compounds of formula (1a) according to claim 1, wherein
 R_1 is C_6 - C_{10} aryl.

3. Compounds according to claim 1 or 2, wherein
 R_1 is phenyl.

15 4. Compounds according to one of claims 1 to 3, wherein
 R_2 is C_1 - C_{20} alkyl.

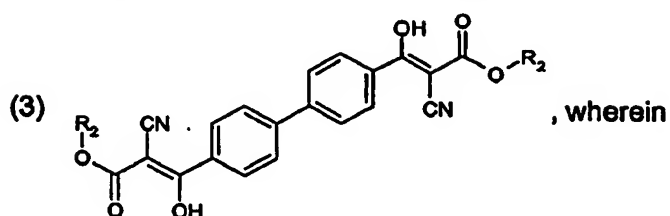
5. Compounds according to one of claims 1 to 4, which correspond to formula



R_2 is C_1 - C_{20} alkyl.

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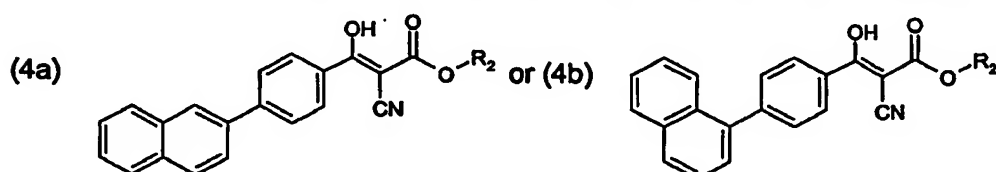
6. Compounds according to one of claims 1 to 4, which correspond to formula



R₂ is C₁-C₂₀alkyl.

5

7. Compounds according to one of claims 1 to 4, which correspond to formulae

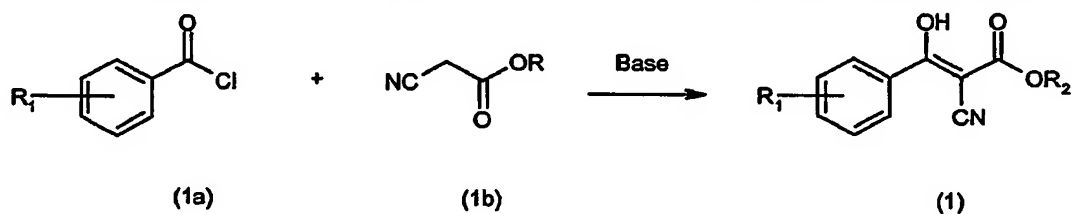


wherein

R₂ is C₁-C₂₀alkyl.

10

8. Process for the preparation of the compounds of formula (1a) according to claim 1, which comprises condensing the cyanoacetate of formula (1a) with the carbon acid chloride of formula (1b) to the compound of formula (1a) according to the following reaction scheme:



15

wherein

R₁ and R₂ are defined as in claim 1.

9. Use of the compounds of formulae (1a), (1b) or (1c) according to any of claims 1 to 7 for the antimicrobial treatment of surfaces.

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10. Use of the compound of formulae (1a), (1b) or (1c) according to claim 9 in the antimicrobial treatment, deodorisation and disinfection of the skin, mucosa and hair.

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11. Use according to claim 10, wherein the compound of formulae (1a), (1b) or (1c) are used for the prevention of the adhesion of bacteria on surfaces and the further forming of the biofilmes and for detaching the biofilm and/or for the inhibition of the groth of the biofilm forming microorganisms in the biological matrix or for killing them.

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12. Use of the compound of formulae (1a), (1b) or (1c) for the treatment of textile fibre materials.

10

13. Use according to claim 9, wherein the compound of formulae (1a), (1b) or (1c) are used in preservation.

14. Use acciording to claim 9, wherein the compound of formulae (1a), (1b) or (1c) are used in washing and cleaning formulations.

15

15. Use according to claim 9, wherein the compound of formulae (1a), (1b) or (1c) are used in imparting antimicrobial properties to, and preserving, plastics, paper, nonwovens, wood or leather.

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16. Use of the compounds of formulae (1a), (1b) or (1c) for imparting antimicrobial properties to, and preserving technical products.

17. Use of the compounds of formulae (1a), (1b) or (1c) as a biocide in technical processes.

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18. A personal care preparation comprising from 0.01 to 15 % by weight, based on the total weight of the composition, of a compound of formulae (1a), (1b) or (1c) and cosmetically tolerable adjuvants.

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19. An oral composition comprising from 0.01 to 15 % by weight, based on the total weight of the composition, of a compound of formulae (1a), (1b) or (1c), and orally tolerable adjuvants.